

**AUGMENTED AND VIRTUAL REALITY GUIDED INSTRUMENT  
POSITIONING WITH DEPTH DETERMINING GRAPHICS**

**ABSTRACT OF THE DISCLOSURE**

5           There is provided a method for augmented reality  
guided instrument positioning. At least one graphics  
proximity marker is determined for indicating a  
proximity of a predetermined portion of an instrument  
to a target. The at least one graphics proximity  
10       marker is rendered such that the proximity of the  
predetermined portion of the instrument to the target  
is ascertainable based on a position of a marker on the  
instrument with respect to the at least one graphics  
proximity marker.

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